

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-68 (Cancelled)

69. (Currently Amended) The apparatus of claim ~~[[65]]~~ 98, further comprising a conductive fin extending into either the first compartment, the second compartment, or both the first and the second compartments.
70. (Currently Amended) The apparatus of claim ~~[[65]]~~ 98, further comprising a tube to include a heat conducting liquid extending through the first compartment, the second compartment, or both the first and the second compartments.

Claims 71-72 (Cancelled)

73. (Currently Amended) The apparatus of claim ~~[[72]]~~ 98, wherein the exothermic hydrogen generator comprises an exothermic hydrogen generator that is selected from the group consisting of a borohydride solution exposed to a catalyst, a solid lithium aluminum tetrahydride, a hydride exposed to water, a partial oxidation hydrocarbon reformer, and combinations thereof.
74. (Currently Amended) The apparatus of claim ~~[[73]]~~ 98, wherein the endothermic hydrogen generator comprises an endothermic hydrogen generator that is selected from the group consisting of one or more metal hydrides, one or more metal alloy hydrides, a carbon nanotube system, a compressed hydrogen gas, a liquid hydrogen, a steam hydrocarbon reformer, and combinations thereof.

Claim 75 (Cancelled)

76. (Currently Amended) The apparatus of claim [[65]] 98, wherein heat released by the exothermic hydrogen generator is approximately balanced by heat absorbed by the endothermic hydrogen generator.

Claim 77 (Cancelled)

78. (Currently Amended) The apparatus of claim [[65]] 98, further comprising an electrical heater to heat the endothermic hydrogen generator.

Claims 79-97 (Cancelled)

98. (Previously Presented) An apparatus comprising:
- a first compartment including an endothermic hydrogen generator to generate hydrogen;
 - a second compartment including an exothermic hydrogen generator to generate hydrogen, wherein the second compartment is to transfer heat to the first compartment,
 - wherein the second compartment is inside the first compartment, and
 - wherein at least one of the endothermic hydrogen generator and the exothermic hydrogen generator comprises a solid including hydrogen;
 - a substance having a low thermal conductivity enclosing the first compartment;
 - a substance having a high heat conductance enclosing the second compartment;
 - a fuel cell to generate electrical power by using the hydrogen;

a first port connected to the first compartment and to the fuel cell; and

a second port connected to the second compartment and to the fuel cell.